



# Restoration Advisory Board Presentation

**OU 11**  
**September 11, 2006**

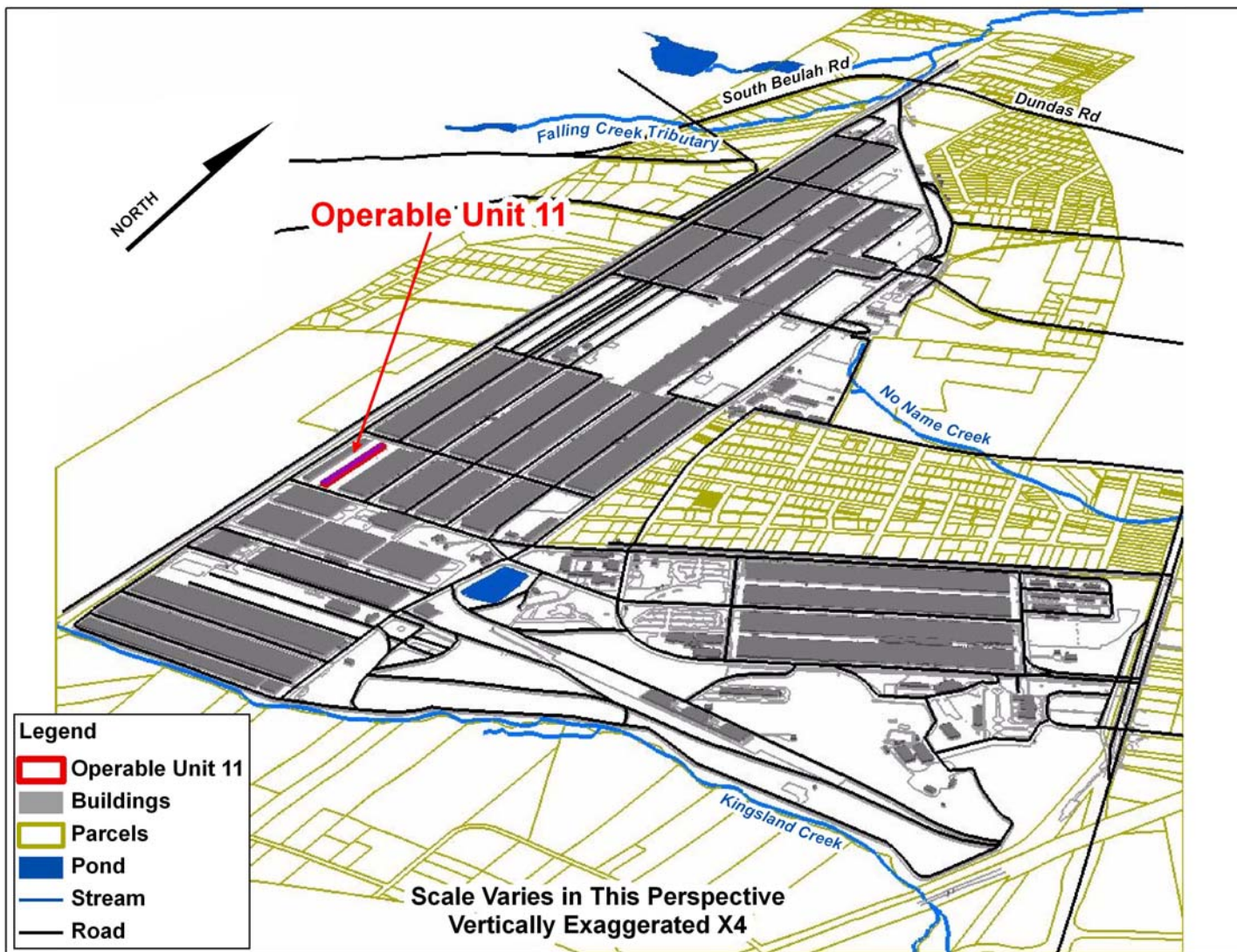


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# Operable Unit 11 Site Map

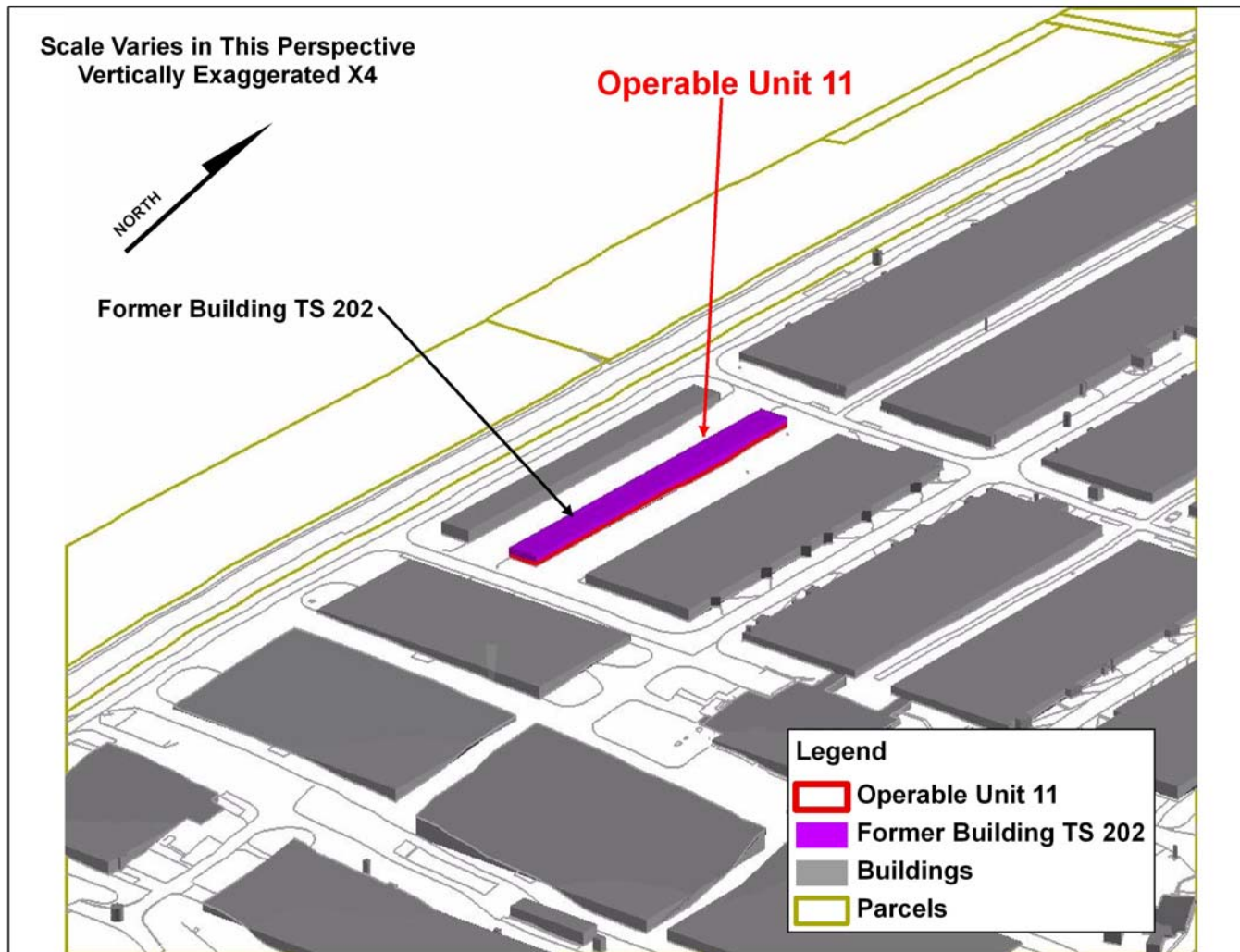
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# Operable Unit 11

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# View of OU 11 Surface



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OU 11 view looking south



# Documents Submitted and EPA Response

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- **Draft Final Focused Feasibility Study (FS), 2000**
- **Draft Final Proposed Plan, 2001**
- **Draft Final ROD submitted in 2001**
- **EPA comments focused on:**
  - **Soil migration to the storm sewer and to Kingsland Creek**



# To Address Agency Comments



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- **Storm sewer cleaning and repair, 2005**
- **Creeks Human Health Baseline Risk Assessment (HHBRA), 2006**
- **Three-Year Creeks Monitoring Program conducted.**
- **OU 11 HHBRA revised, 2006**
- **Addendum to the Focused FS, 2006**



# Revised Risk Assessment, 2006

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## Exposure Scenario Summary

- **Receptors included:**
  - Current and future industrial workers
  - Future construction workers
- **Noncarcinogenic Risk:**
  - Current and future industrial workers,  $HI < 1$
  - Future construction workers,  $HI = 2$ ,  
all organ specific  $HIs < 1$
- **Carcinogenic Risk: Within EPA acceptable range**
- **Groundwater constituents < Virginia Maximum Contaminant Levels (MCLs) for drinking water in OU 11 downgradient wells**



# Remedial Alternatives Evaluated

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- **Alternative 1: No Action**
- **Alternative 2: Institutional Controls**
  - Deed restriction for residential property use
  - Deed restriction for potable groundwater use on the installation
  - Regulatory agency notification of major land use changes at OU 11
  - Annual reviews, preconstruction assessments, cover maintenance, and 5 year statutory reviews





# Summary

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- **Alternative 2, Institutional Controls are recommended for soils**
- **Institutional controls include maintenance of cover, annual inspections, and 5 year regulatory reviews**
- **Groundwater is not a media of concern**